

ABSTRACT OF THE DISCLOSURE

A communication system in which a reception signal can be accurately obtained from a signal transmitted over two-wire type transmission lines without any significant reduction in the communication speed. The communication system utilizing two-wire type transmission lines for transmitting transmission signals in opposite phases has a plurality of nodes connected to the two-wire type transmission lines, and each of the nodes incorporates terminating resistors acting upon the two-wire type transmission lines. A node which includes a reception circuit for receiving a transmission signal has an AC coupling circuit for extracting AC components in a transmission signal input through the transmission lines, a bias circuit for applying a bias voltage to a signal output from the AC coupling circuit and a clip circuit for clipping the level of a signal output from the bias circuit, which are provided at each of the two-wire type transmission lines.

0064849-02480